

Amendment and Response

Applicant: Douglas Todd Hayden

Serial No.: 10/759,819

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Docket No.: 10002614-1

Title: BUS DEVICE INSERTION AND REMOVAL SYSTEM

IN THE SPECIFICATION

Please insert the following new paragraph after paragraph [0014]:

Figure 9 is a diagram illustrating one embodiment of a connector for hot swapping a module on a bus.

Please replace paragraph [0031] with the following amended paragraph [0031]:

In the exemplary embodiment, SDA pre-charge contact 64 is positioned to make contact with male side 58 at essentially the same time as SCL pre-charge contact 68. The SDA pre-charge contact 64 and SCL pre-charge contact 68 are located behind power line contact 62. The SDA pre-charge contact 64 connects SDA signal line 46 to male side 58 of connector 40, and the SCL pre-charge contact 68 connects SCL signal line 48 to male side 58 of connector 40. As illustrated in Figure 9, in other embodiments, SDA and SCL pre-charge contacts 64 and 68 do not make contact with male side 58 at the same time. Instead, SDA and SCL pre-charge contacts 64 and 68 are staggered to make contact with male side 58 at different times.

Please replace paragraph [0033] with the following amended paragraph [0033]:

In the exemplary embodiment, SDA contact 66 makes contact with male side 58 at essentially the same time as SCL contact 70. The SDA and SCL contacts 66 and 70 are located behind SDA and SCL pre-charge contacts 64 and 68. The SDA contact 66 connects SDA signal line 46 to male side 58 and the SCL contact 70 connects SCL signal line 48 to male side 58. As illustrated in Figure 9, in other embodiments, SDA and SCL contacts 66 and 70 do not make contact with male side 58 at the same time. Instead, SDA and SCL contacts 66 and 70 are staggered to make contact at different times.

Please replace paragraph [0048] with the following amended paragraph [0048]:

In other embodiments, FET 86 and FET 98 are not included and the nodal capacitances at module SDA and SCL contacts 82 and 94 include capacitance associated with

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printed circuit board traces leading up to module 26 and the input/output transistors of module 26. Also, in the exemplary embodiment, module SDA pre-charge contact 80 and SDA pre-charge contact 64 make contact at about the same time as module SCL pre-charge contact 92 and SCL pre-charge contact 68. As illustrated in Figure 9, in other embodiments, the SDA and SCL contacts can be staggered to be electrically coupled at different times.